IN THE CLAIMS:

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- 1. (Currently Amended) An improved shaped charge comprising:
 - (a) a charge case,
 - (b) a main load within the charge case; and
 - (c) a layer of a polymer/polymer mixture positioned between the main load and a liner wherein the polymer/polymer mixture comprises a metal oxide.
- 2. (Original) The improved shaped charge of Claim 1 further comprises:
 - (d) a booster coupling the main load to an ignition source.
- 3. (Original) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture undergoes a decomposition reaction to produce a fracturing pressure event.
- 4. (Original) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture further comprises a metal.
- 5. (Cancelled) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture further comprises a metal oxide.
- 6. (Cancelled) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture further comprises a metal and a metal oxide.

- 7. (Original) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture comprises an additional oxygen source.
- 8. (Currently Amended) The improved shaped charge of Claim 6 wherein charge of Claim 7 wherein the oxygen source comprises a perchlorate salt.
- 9. (Original) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture is polytetrafluoroethylene.
- 10. (Original) The improved shaped charge of Claim 4 wherein the polymer/polymer mixture is polytetrafluoroethylene and aluminum.
- 11. (Original) The improved shaped charge of Claim 4 wherein the polymer/polymer mixture is polytetrafluoroethylene and titanium.
- 12. (Original) The improved shaped charge of Claim 1 wherein the polymer/polymer mixture is mixed with an ignition speed controller.
- 13. (Currently Amended) The improved shaped charge of Claim 5 wherein Claim 1 wherein the polymer/polymer mixture is polytetrafluoroethylene and a metal/metal oxide mixture.
- 14. (Original) The improved shaped charge of Claim 1 wherein the charge case comprises zinc.

- 15. (Original) The improved shaped charge of Claim 1 wherein the charge case comprises steel.
- 16. (Original) The improved shaped charge of Claim 1 wherein the charge case comprises a polymer and metal mixture.
- 17. (Currently Amended) The improved shaped charge of Claim 17 wherein Claim 1 wherein the charge case comprises a mixture of polytetrafluoroethylene and titanium.
- 18. (Original) The improved shaped charge of Claim 1 further comprises:
 - (d) a decomposition catalyst.

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- 19. (Currently Amended) An improved shaped charge comprising:
 - (a) a charge case,
 - (b) a main load within the charge case;
 - (c) a layer of a polymer/polymer mixture positioned between the main load and a liner; and
 - (d) a booster coupling the main load to an ignition source;

 wherein the polymer/polymer mixture comprises a metal oxide, further wherein the polymer/polymer mixture undergoes a decomposition reaction to produce a fracturing pressure event.
- 20. (Original) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture further comprises a metal.
- 21. (Cancelled) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture further comprises a metal oxide.
- 22. (Cancelled) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture further comprises a metal and a metal oxide
- 23. (Original) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture comprises an additional oxygen source.

- 24. (Original) The improved shaped charge of Claim 23 wherein the oxygen source comprises a perchlorate salt.
- 25. (Currently Amended) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture is mixture further comprises polytetrafluoroethylene.
- 26. (Currently Amended) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture is mixture further comprises polytetrafluoroethylene and aluminum.
- 27. (Currently Amended) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture is mixture further comprises polytetrafluoroethylene and titanium.
- 28. (Original) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture is mixed with an ignition speed controller.
- 29. (Currently Amended) The improved shaped charge of Claim 19 wherein the polymer/polymer mixture is mixture further comprises polytetrafluoroethylene and a metal/metal oxide mixture.
- 30. (Original) The improved shaped charge of Claim 19 wherein the charge case comprises a polymer and metal mixture.

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- 31. (Original) The improved shaped charge of Claim 19 wherein the charge case comprises a mixture of polytetrafluoroethylene and titanium.
- 32. (Original) The improved shaped charge of Claim 19 further comprises a decomposition catalyst.
- (Currently Amended) A method of fracturing a formation comprising the steps of:
 (a) lowering an improved shaped charge into a well to a depth adjacent to the formation; wherein the shaped charge has a charge case, a main load within the charge case; and a layer of a polymer/polymer mixture positioned between the main load and a [[liner;]] liner wherein the polymer/polymer mixture comprises a metal oxide; and,
 (b) detonating the shaped charge.